# Project Plan

Project Objectives:

The objective of this project is to develop an Open-Source Intelligence (OSINT) dashboard application that provides real-time data on various cryptocurrencies. The application will allow users to fetch and view data from multiple cryptocurrency APIs, enhancing their ability to monitor and analyze cryptocurrency trends.

Product to be Delivered:

The project will deliver a fully functional OSINT dashboard application with a graphical user interface (GUI). The application will have the capability to retrieve data from at least four distinct cryptocurrency APIs, including Bitcoin, Ethereum, Dogecoin, and Binance Coin. Users will be able to fetch data for each cryptocurrency individually using dedicated buttons in the GUI.

Major Work Activities:

1. Research and Selection of Cryptocurrency APIs: Identify and select suitable cryptocurrency APIs for data retrieval. (Mason Kim)
2. GUI Design and Development: Design and develop a user-friendly GUI for the OSINT dashboard application. (Mason Kim)
3. Backend Integration: Integrate APIs into the application backend to retrieve real-time data for Bitcoin, Ethereum, Dogecoin, and Binance Coin. (Brendan Dwyer)
4. Frontend Implementation: Implement frontend functionalities to display fetched cryptocurrency data in the GUI. (Mason Kim)
5. Testing and Quality Assurance: Conduct comprehensive testing to ensure the application functions as intended and meet quality standards. (Andres Martinez)
6. Documentation: Prepare documentation including user guides and technical documentation for the application. (Carter Vonk, Mason Kim, Bredan Dwyer, Andres Martinez)

Major Milestones:

1. Research and API Selection Completed
2. GUI Design Finalized
3. Backend Integration Completed
4. Frontend Implementation Finished
5. Testing and Quality Assurance Completed
6. Documentation Prepared
7. Application Deployment

Required Resources:

1. Development Team: Developers, UI/UX designers, testers
2. Cryptocurrency APIs: Access to suitable APIs for Bitcoin, Ethereum, Dogecoin, and Binance Coin data retrieval
3. Development Environment: Programming tools, IDEs, version control systems
4. Hardware: Workstations/laptops for development and testing
5. Budget: Funding for potential API subscriptions, development tools, and resources